



KURTZ Trimming Presses and Technology

Solutions from Foundryman for Foundrymen - All from one Source

KURTZ TRIMMING PRESSES

Ideal Solutions for Trimming from one Source

For nearly 30 years KURTZ has been manufacturing casting machines for aluminium and magnesium alloys under the motto "From Foundryman For Foundrymen". Kurtz enjoys an excellent reputation in the industry as specialists in the field of low-pressure casting machines, tiltable and gravity casting machines. These machines can be delivered as stand-alone or turnkey solutions.

At the end of 2009, KURTZ successfully expanded its product range in the foundry machine business sector by adding trimming technology. This means KURTZ now also offers trimming presses and trimming tools including automated cast part handling as well as complete casting cells.

For these diverse tasks, a team of experts with up to 20 years of experience is always at your disposal.

KURTZ trimming presses can be used with cast parts made from the high-pressure, low pressure and gravity die casting processes.

Business Activities

- Planning
- Engineering
- Process Technology
- Tooling Technology
- Melting and Furnace Technology
- Peripheral Equipment
- Automation

Technology

- Presses
- Trimming
- Trimming Tools
- Integrated Sawing
- Drilling
- Milling
- Robot Handling



Removal guided on both sides in tilted position.
Integrated blow-down function on front side.
Removal plate can include rows for product separation.

According to the customer's requirements, KURTZ presses can be equipped with additional accessories such as rams, clamp-down and removal devices, blow-down functions and spraying units.

Furthermore, the platen can be designed as a tilting, sliding or sliding/tilting table and is available for all press designs.

KPC - C-Frame Design

KPS - Column Version

KPR - Frame Construction

KPC 520:
C-frame press with a press force of 52 tons, suitable for manual loading and robot handling



KPC-series

Free Access from all Sides

Highlights

- no columns that interfere with robot handling, trimming tool change, casting handling or design
- simple robot handling
- maximum use of the base and clamping platens
- the size of the trimming tool is not limited by the base and clamping platens
- ideal burr removal due to large, open channels in the base platen
- high-precision guiding of clamping platen via pre-clamped recirculating roller bearing
- fast and simple trimming tool change via crane or fork lift by means of trimming tool lifters and loading arms
- press stroke and clamping device with integrated contact-free and therefore wear-free measuring system, steplessly adjustable via press visualisation
- press hydraulic with proportional valve technology, eject pressure freely selectable via press control
- energy saving due to ideal adjustment of pump pressure curve, timeout during idle operation, use of quiet variable capacity pumps
- robust removal slide, tiltable and freely adjustable in the height, blow-down function can be integrated
- Siemens S7-300 - PLC with visualization



KPC 370: C-Press frame with a 37 ton closing force with opened press guard for simple mould change

Automatization, Engineering & Service

The integration of cooling basins and air conditioned cabinets, testing and measuring systems, parts inspection, robots, gripping technology and the corresponding conveyor technology with safety devices are further components of the automated foundry machine.

Numerous well-known references at home and abroad demonstrate our outstanding performance.

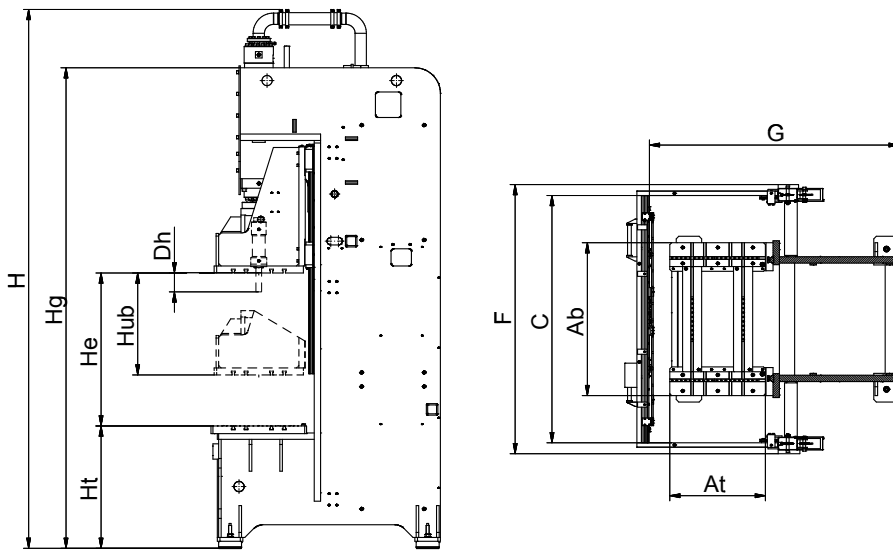
In the area of after-sales service KURTZ offers their customers, and press users of third-party manufacturers, an optimal "just-in-time" wear and spare parts supply

program and also carries out safety inspections according to accident prevention regulations.

KURTZ remains committed to offering quality customer service, which is deeply rooted in our company philosophy. Our aim is to offer sustainable, repeatable performance of KURTZ machines over the entire usable life of the equipment.

Besides commissioning, installation and maintenance we also offer tailor-made training programs for your staff as well as individualized technical support for maintenance, warehousing advice and plant evaluations.

KURTZ KPC TRIMMING PRESSES



Position measuring system for clamping platen.



Clamping platen safety device.
Clamping platen connection with position measuring device.



Visualization with large color screen, controlled via protected keyboard.
Trimming recipes saved directly on Secure Digital Memory Cards.



Automatic casting solution with robots, safety guards, burr removal including CE-certification for the entire cell.

| KURTZ standard trimming presses | | KPC250 | KPC370 | KPC520 | KPC670 | KPC1000 |
|---|-----|--------|--------|--------|--------|---------|
| Press Force (tons) | | 25 | 37 | 52 | 67 | 100 |
| Base Platen Width (mm) | Ab | 900 | 1,200 | 1,700 | 2,450 | 2,450 |
| Base Platen Depth (mm) | At | 550 | 750 | 1,000 | 1,250 | 1,800 |
| Inner Width - Safety Device (mm) | C | 1,660 | 1,940 | 2,140 | 2,930 | 2,970 |
| Ejector Stroke (mm) | Dh | 150 | 150 | 150 | 150 | 200 |
| Trimming Press Width (without operating panel) (mm) | F | 1,900 | 2,200 | 2,400 | 3,100 | 3,200 |
| Trimming Press Depth (mm) | G | 1,800 | 2,100 | 2,300 | 2,600 | 3,700 |
| Complete Trimming Press Height (mm) | H | 3,800 | 4,300 | 5,000 | 5,200 | 6,500 |
| C-Frame Height (mm) | Hg | 3,400 | 3,800 | 4,400 | 4,600 | 6,100 |
| Mounting Height (mm) | He | 900 | 1,200 | 1,500 | 1,500 | 2,400 |
| Table Height (mm) | Ht | 960 | 960 | 960 | 960 | 960 |
| Clamping Platen Stroke (mm) | Hub | 600 | 800 | 1,100 | 1,100 | 1,400 |

Besides our standard machines which range from 25 to 350 tons of clamping force, we offer customized trimming presses according to your technical specifications. Just let us know!

KURTZ Foundry Products

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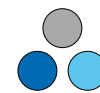
KURTZ Sheet Metal Technology

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